

FOS 100 WHITE 36

FOS 100 WHITE 36

FOS 100 SOLO ON-OFF WHITE 36

FOS 100 SOLO WHITE 36

User's Manual rel 1.0 GB

D.T.S. Illuminazione s.r.l. - ITALY
<http://www.dts-lighting.it>



The Lighting Company

Made in Italy

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1- SYMBOLS

Graphic symbols used on this manual:



THIS SYMBOL INDICATES A HOT SURFACE



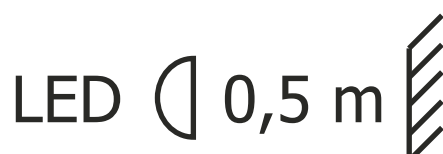
THIS SYMBOL INDICATES ELECTRIC SHOCK RISK



THIS SYMBOL INDICATES GENERAL RISK



THIS SYMBOL MEANS YOU CAN PLACE THE UNIT ON NORMALLY FLAMMABLE SURFACES



THIS SYMBOL INDICATES THE MINIMUM DISTANCE BETWEEN THE UNIT AND THE ILLUMINATED OBJECTS



THIS SYMBOL INDICATES THE EUROPEAN COMMUNITY DIRECTIVE 2002/96/EC ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

2- GENERAL WARNING

Read the instruction contained in this user manual carefully, as they give important information regarding safety during installation, use and maintenance.

The device is not for domestic use and must be installed by a qualified electrician or experienced person. The device must always be equipped with an efficient ground connection.

3- GENERAL WARRANTY CONDITIONS

The unit is guaranteed for 36 months from the date of purchase against manufacturing material defects.

FOS 100 WHITE 36**D.T.S. Product codes:**

03.LBB012E11WB10	FOS 100 WHITE 36 3000K Narrow lenses Black
03.LBB012E11WB25	FOS 100 WHITE 36 3000K Medium flood lenses Black
03.LBB012E11WB40	FOS 100 WHITE 36 3000K Wide flood lenses Black
03.LBB012E11WBE3	FOS 100 WHITE 36 3000K 15° x 40° lenses Black
03.LBB012E11WB02	FOS 100 WHITE 36 3000K 58° lenses Black
03.LBB012E11WB03	FOS 100 WHITE 36 3000K 77° lenses Black
03.LBB012E11WB14	FOS 100 WHITE 36 3000K ASY Spot lenses Black
03.LBB012E11WB11	FOS 100 WHITE 36 3000K ASY Wash lenses Black

Light source

36 x WHITE LEDs; Colour temperature: 2700K / 3000K / 4000K / 5600K
6500 Lumens; LEDs average lifespan: 70.000 hrs

Optical group

Narrow, Medium, Wide, 15° x 40°, 58°, 77°, ASY Spot, ASY Wash lenses set

Construction

FOS 100 WHITE 36 is made on extruded aluminium

Protection

IP 65 protection level

Connection

2 poles cable

Power supply

1050mA or 1400mA Constant current LED PSU
Electronic full-range 90-260 Vac 50-60 Hz

Power consumption

36W Max @ 350mA; 54W Max @ 500mA

Operating ambient temperature

-10° / 40°

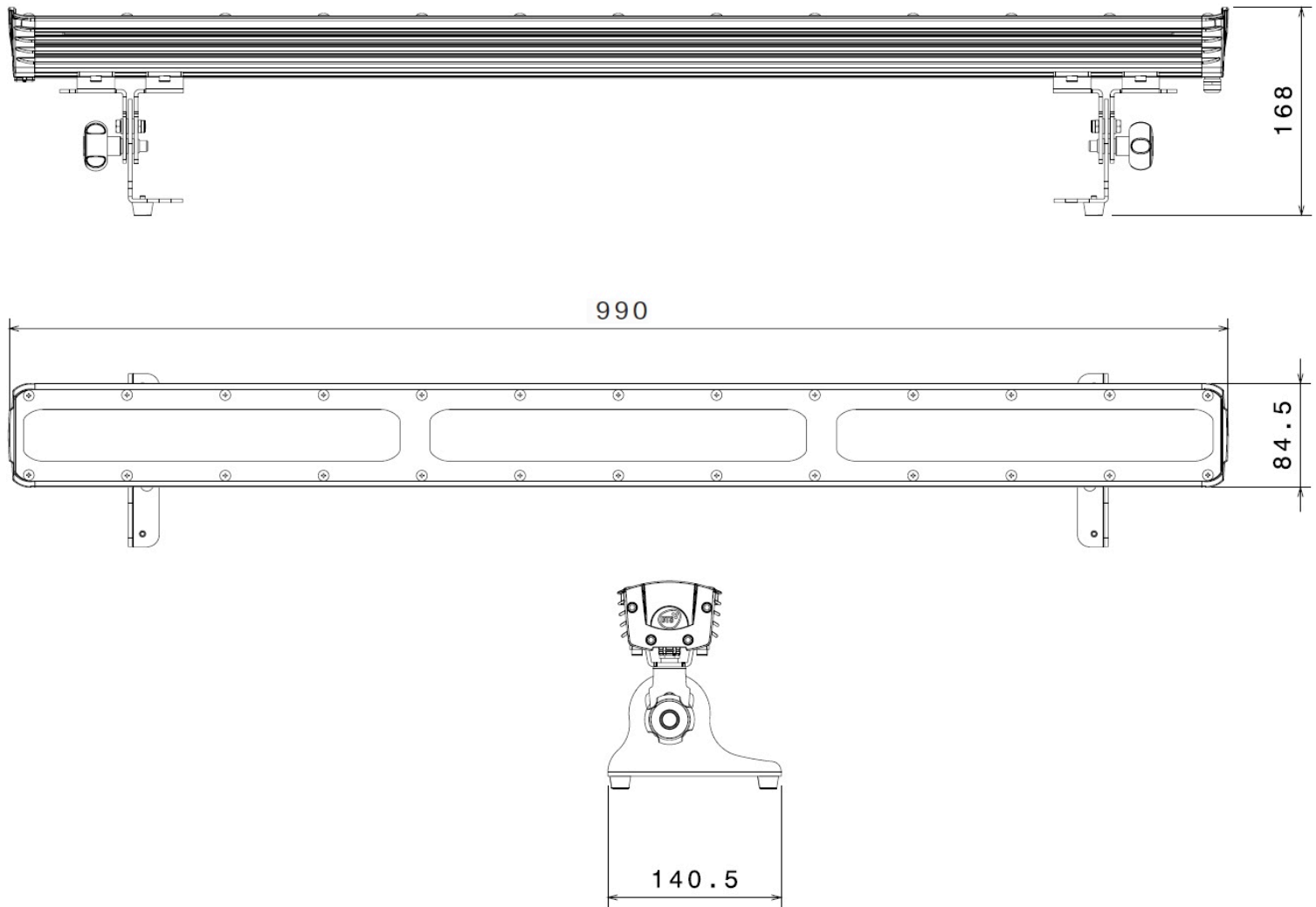
Weight

5,5 Kg

Accessories

- 1050mA Constant current LED PSU (D.T.S. Code 0502T046)
- 1400mA Constant current LED PSU (D.T.S. Code 0502T050)

Dimensions



4- TECHNICAL FEATURES

FOS 100 SOLO ON-OFF WHITE 36

D.T.S. Product codes:

03.LBB001S11WB10	FOS 100 SOLO ON-OFF WHITE 36 3000K Narrow lenses Black
03.LBB001S11WB25	FOS 100 SOLO ON-OFF WHITE 36 3000K Medium flood lenses Black
03.LBB001S11WB40	FOS 100 SOLO ON-OFF WHITE 36 3000K Wide flood lenses Black
03.LBB001S11WBE3	FOS 100 SOLO ON-OFF WHITE 36 3000K 15° x 40° lenses Black
03.LBB001S11WB02	FOS 100 SOLO ON-OFF WHITE 36 3000K 58° lenses Black
03.LBB001S11WB03	FOS 100 SOLO ON-OFF WHITE 36 3000K 77° lenses Black
03.LBB001S11WB14	FOS 100 SOLO ON-OFF WHITE 36 3000K ASY Spot lenses Black
03.LBB001S11WB11	FOS 100 SOLO ON-OFF WHITE 36 3000K ASY Wash lenses Black

Light source

36 x WHITE LEDs; Colour temperature: 2700K / 3000K / 4000K / 5600K
6500 Lumens; LEDs average lifespan: 70.000 hrs

Optical group

Narrow, Medium, Wide, 15° x 40°, 58°, 77°, ASY Spot, ASY Wash lenses set

Construction

FOS 100 SOLO ON-OFF WHITE 36 is made on extruded aluminium

Protection

IP 65 protection level

Control system

ON-OFF

Connection

Mains AC Power cable

Power supply

Electronic full-range 90-260 Vac 50-60 Hz

Power consumption

54W Max

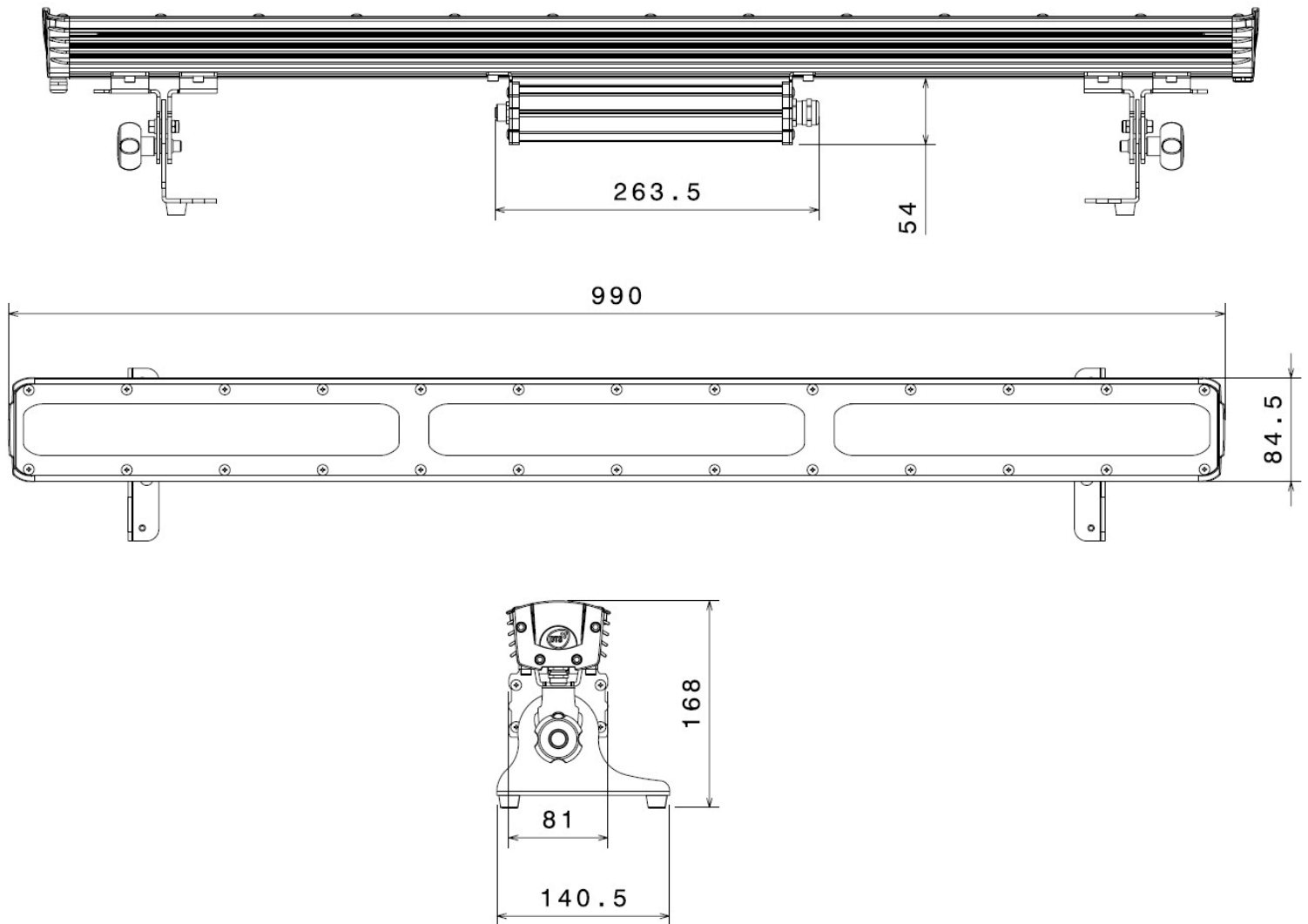
Operating ambient temperature

-10° / 40°

Weight

6,5 Kg

Dimensions



4- TECHNICAL FEATURES

FOS 100 SOLO IP20 WHITE 36 (on request)

Light source

36 x WHITE LEDs; Colour temperature: 2700K / 3000K / 4000K / 5600K
6500 Lumens; LEDs average lifespan: 70.000 hrs

Optical group

Narrow, Medium, Wide, 15° x 40°, 58°, 77°, ASY Spot, ASY Wash lenses set

Construction

FOS 100 SOLO IP20 WHITE 36 is made on extruded aluminium

Protection

IP 65 (LED bar); IP 20 (Power supply)

Control system

DMX 512

Connection

Power supply: POWERCON Female panel connectors (IN-OUT)

DMX: XLR 5 poles Male/Female panel connectors (IN-OUT)

Power supply

Z10 IP20 LED PSU

Electronic full-range 90-260 Vac 50-60 Hz

Power consumption

54W Max

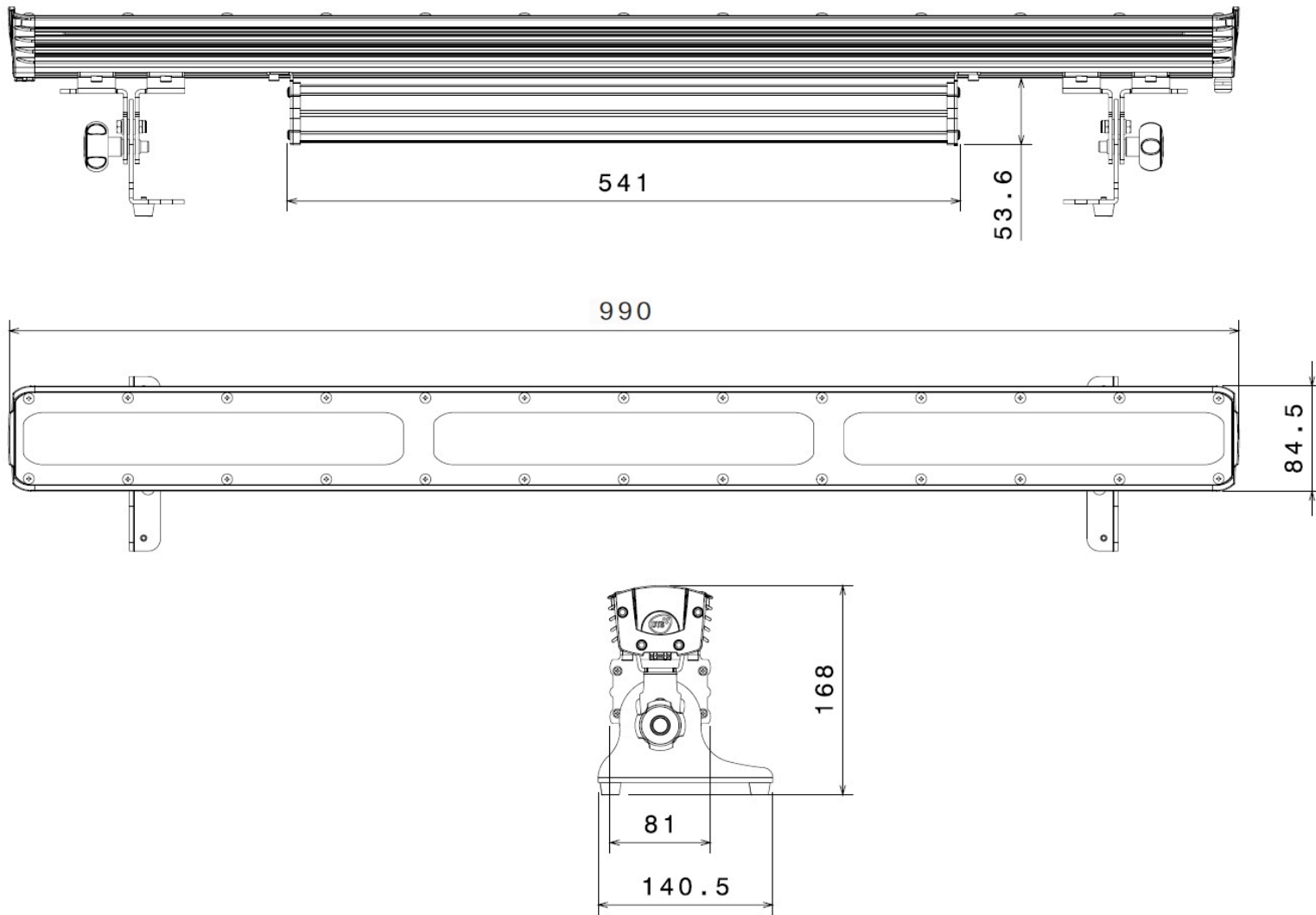
Operating ambient temperature

-10° / 40°

Weight

7 Kg

Dimensions



4- TECHNICAL FEATURES

FOS 100 SOLO IP65 WHITE 36 (on request)

Light source

36 x WHITE LEDs; Colour temperature: 2700K / 3000K / 4000K / 5600K
6500 Lumens; LEDs average lifespan: 70.000 hrs

Optical group

Narrow, Medium, Wide, 15° x 40°, 58°, 77°, ASY Spot, ASY Wash lenses set

Construction

FOS 100 SOLO IP65 WHITE 36 is made on extruded aluminium

Protection

IP 65 protection level

Control system

DMX 512

Connection

Power supply: 3x1,5 sq mm cable (IN); HARTING Female panel connector (OUT)
DMX: HARTING 4 poles Male/Female panel connectors (IN-OUT)

Power supply

Z10 IP65 LED PSU
Electronic full-range 90-260 Vac 50-60 Hz

Power consumption

54W Max

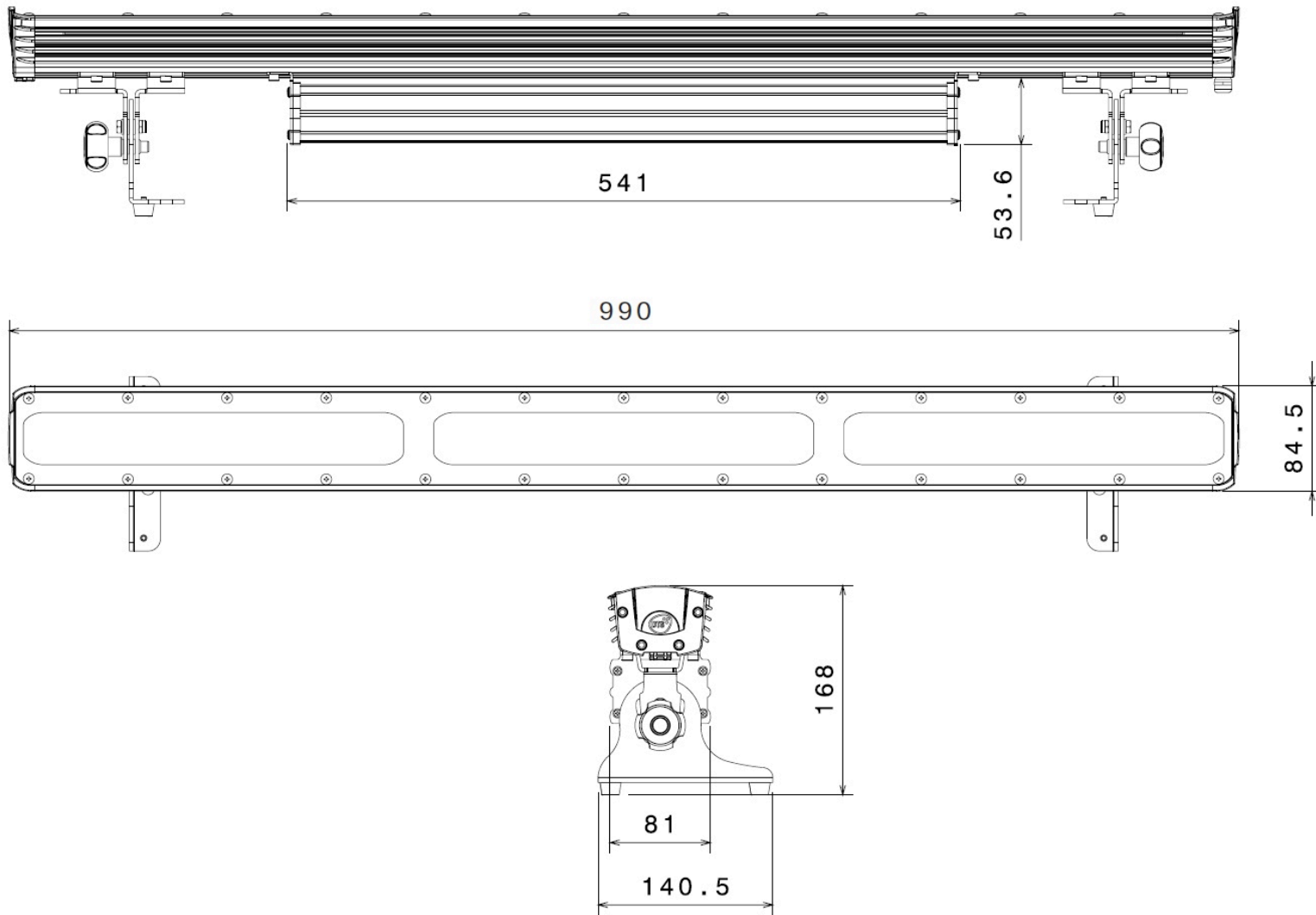
Operating ambient temperature

-10° / 40°

Weight

7,5 Kg

Dimensions



5- IMPORTANT SAFETY INFORMATION

5.1 Fire prevention:

-It is permissible to place the unit on normally flammable surfaces.
Suitable for mounting on normally flammable material surfaces greater than 200°C with some combustion time lag.

-Minimum distance between the unit and the illuminated objects: 0,5 m. LED  0,5 m 

5.2 Prevention of electric shock:



-High voltage is present inside the unit.

Unplug the unit prior to performing any function which involves touching the inside of the fixture.

-A good earth connection is essential for proper functioning of the unit.

-Never connect the unit without proper earth connection.

-The fixture should be located in places with a good air ventilation.

5.3 Safety:



-The external surface of the unit, at various points, may exceed 50°C.

Never handle the unit until at least 5 minutes have elapsed since the unit was turned off.

-Never install the fixture in an enclosed area lacking sufficient air flow.

The ambient temperature should not exceed 40°C.



5.4 Level of protection against the penetration of solid and liquid objects:



-The projector is classified as an outdoor appliance and its protection level against the penetration of solid and liquid objects is IP 65.

5.5 Waste Electrical and Electronic Equipment (WEEE) directive:



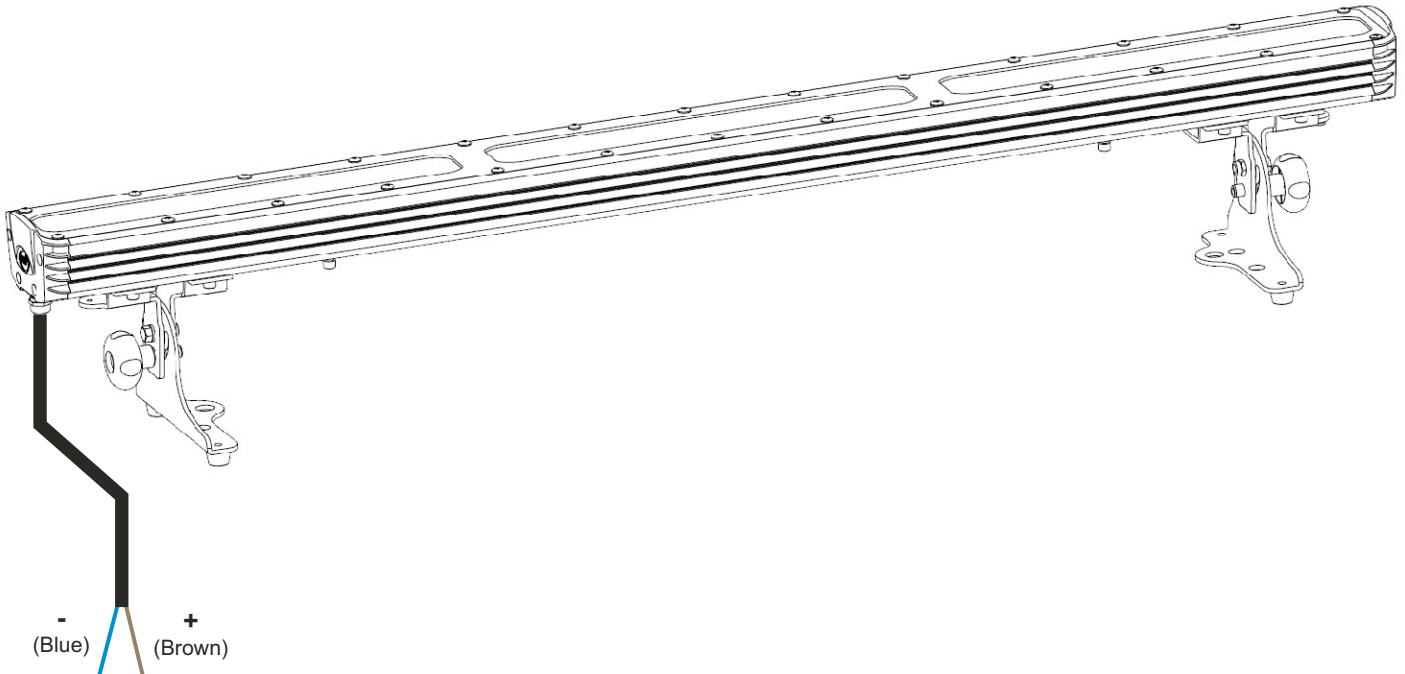
The LED bar, accessories and packaging should be sorted for environmental-friendly recycling.

For EC countries: according to the European Directive 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, luminaires that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

6- CONNECTION

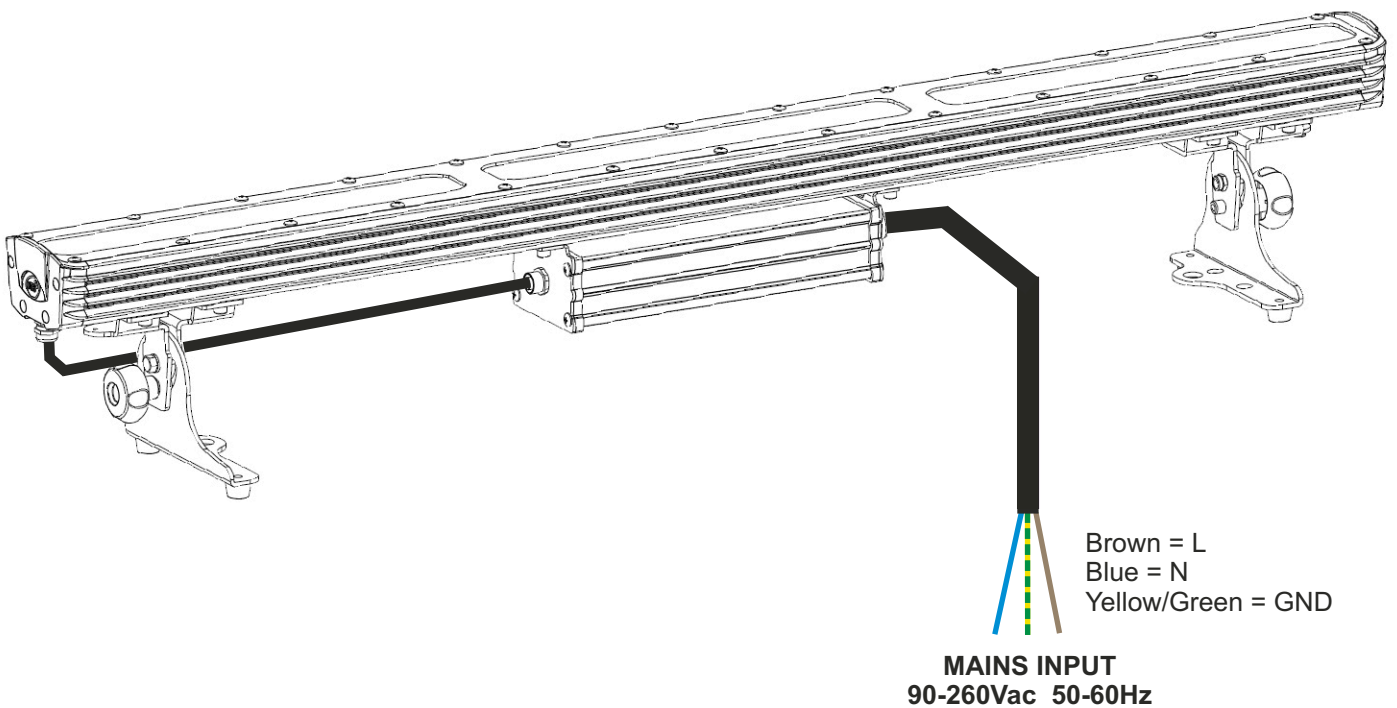
FOS 100 WHITE 36

FOS 100 WHITE 36 is provided with a 2 poles cable.



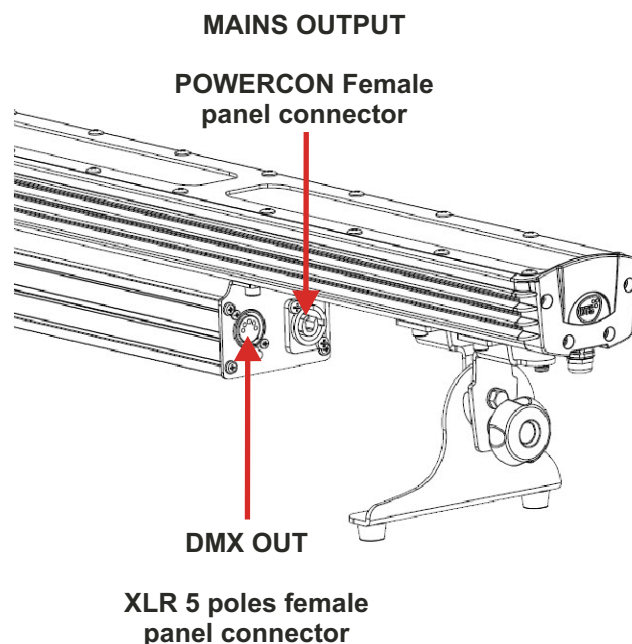
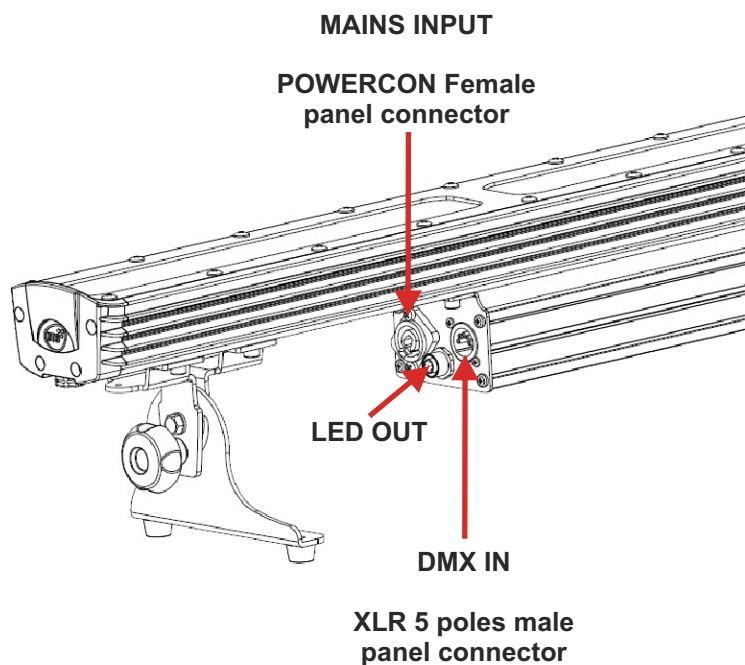
FOS 100 SOLO ON-OFF WHITE 36

FOS 100 SOLO ON-OFF WHITE 36 is provided with a Mains AC Power cable.

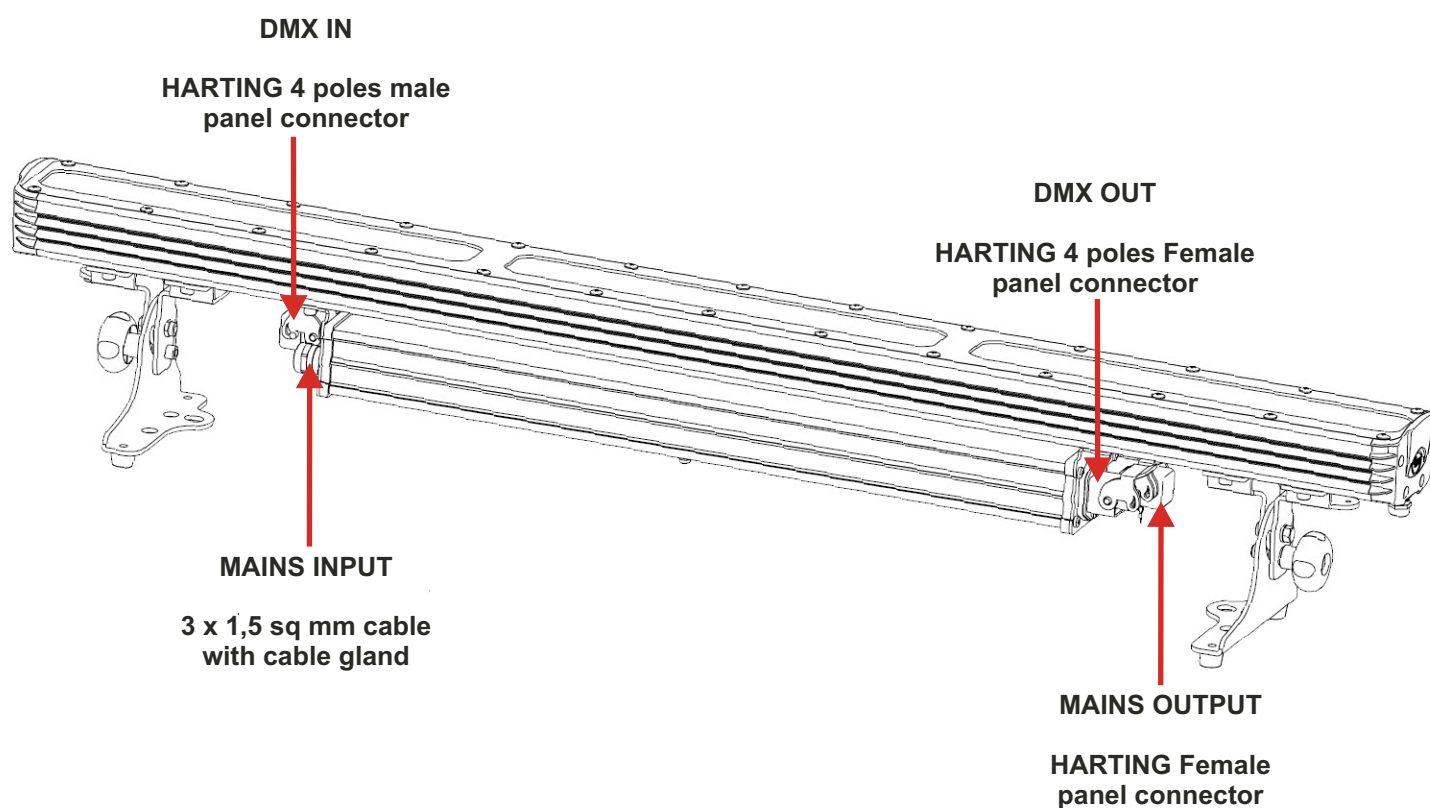


6- CONNECTION

FOS 100 SOLO IP20 WHITE 36 (on request)



FOS 100 SOLO IP65 WHITE 36 (on request)



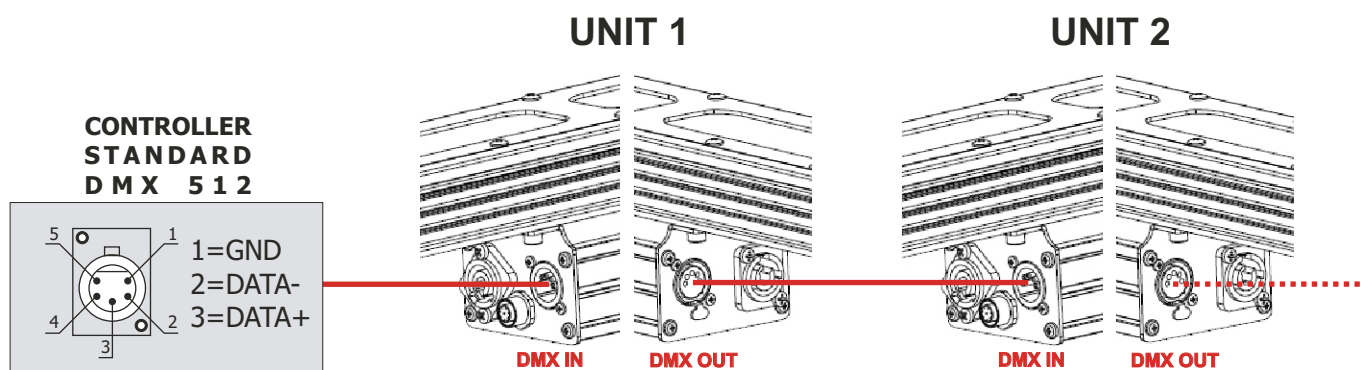
7- DMX SIGNAL CONNECTION

FOS 100 SOLO IP20 WHITE 36 (on request)

The unit operates using a digital DMX 512 signal. Connection between the controller and the unit or between units must be carried out using a two pair screened $\varnothing$ 0.5 mm.

Ensure that the conductors do not touch each other. Do not connect the cable ground to the DMX connector chassis. The plug housing must be isolated. Connect the mixer signal to the DMX IN projector plug and connect it to the next projector by connecting the DMX OUT plug on the first unit to the DMX IN plug of the second one.

In this way, all the projectors are cascade connected.



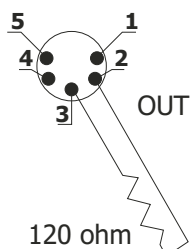
P.S:

If the display showing the DMX address flashes, then one of the following errors has occurred:

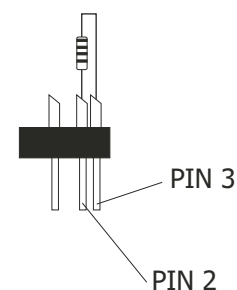
- DMX signal not present
- DMX reception problem

For Installations where long distance DMX cable connections are needed, we suggest to use a DMX terminator.

The DMX terminator is a male XLR 3-5 pins connector with a 120 ohm resistor Between pin 2 and 3. The DMX terminator must be plugged into the last unit (DMX out panel connector) of the DMX line.



PLACE A 120 OHM RESISTOR BETWEEN PIN 2 AND 3 OF A MALE XLR CONNECTOR AND PLUG IT INTO THE DMX OUT PANEL CONNECTOR OF THE LAST UNIT CONNECTED TO THE DMX LINE



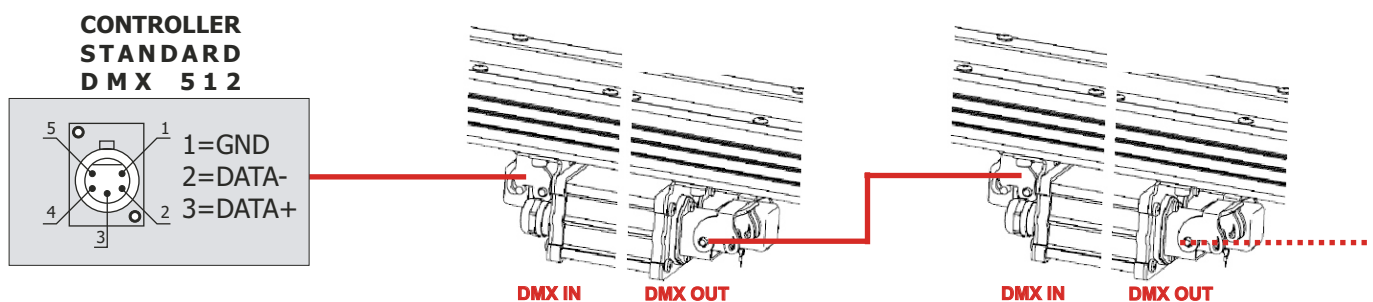
7- DMX SIGNAL CONNECTION

FOS 100 SOLO IP65 WHITE 36 (on request)

The unit operates using a digital DMX 512 signal. Connection between the controller and the unit or between units must be carried out using a two pair screened $\varnothing$ 0.5 mm.

Ensure that the conductors do not touch each other. Do not connect the cable ground to the DMX connector chassis. The plug housing must be isolated. Connect the mixer signal to the DMX IN projector plug and connect it to the next projector by connecting the DMX OUT plug on the first unit to the DMX IN plug of the second one.

In this way, all the projectors are cascade connected.



P.S:

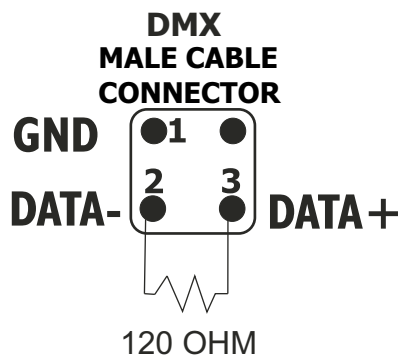
If the display showing the DMX address flashes, then one of the following errors has occurred:

- DMX signal not present
- DMX reception problem

For Installations where long distance DMX cable connections are needed, we suggest to use a DMX terminator.

The DMX terminator is a male DMX cable connector with a 120 ohm resistor Between pin 2 and 3.

The DMX terminator must be plugged into the DMX out panel connector of the last unit connected to the DMX line.



PLACE A 120 OHM RESISTOR BETWEEN PIN 2 AND 3 OF A MALE DMX CONNECTOR AND PLUG IT INTO THE DMX OUT PANEL CONNECTOR OF THE LAST UNIT CONNECTED TO THE DMX LINE

8- DMX ADDRESS

FOS 100 SOLO IP20 WHITE 36 (on request)

FOS 100 SOLO IP65 WHITE 36 (on request)

FOS 100 SOLO IP20/IP65 WHITE 36 can be used in 8 different modes: 10 DMX channels mode (default), 6 DMX channels mode (Shutter + Dimmer + RGBW), 15 DMX channels mode, WALL mode (6 DMX channels; for use with DTS Wall mounted DMX controller 0514L007), M4CH mode (5 DMX channels; Dimmer + RGBW), RGBW mode (4 channels), 1 DMX channel mode or CUSTOM DMX mode (not yet implemented).

In order to use the unit in 10 DMX channels mode (default) set the following addresses on the mixer:

Projector 1	A001	
Projector 2	A011	If you want to select the next projector, just add "10"
Projector 3	A021	
.....	A....	
projector 6	A051	

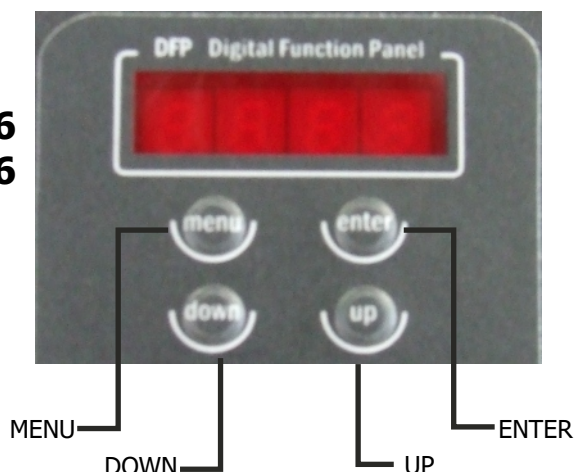
Selecting the DMX address

- 1) Press the UP-DOWN key until you reach the required DMX address. The numbers on the display will start to flash (but the new DMX address hasn't yet been set).
- 2) Press ENTER to confirm your selection. The numbers on the display will stop flashing and the projector is now controlled by the new DMX address.

TIPS: if you keep pushed the UP or DOWN keys, the channels are calculated more quickly and you get a faster selection.

9- DISPLAY FUNCTIONS

FOS 100 SOLO IP20 WHITE 36 FOS 100 SOLO IP65 WHITE 36



DISPLAY FUNCTIONS

The FOS 100 SOLO display panel shows all the available functions . Using these functions, it is possible to change some of the parameters and add some functions. Changing the D.T.S. setting can vary the functions of the unit so that it does not respond to the DMX 512 signal used to control it. Carefully follow the instructions below before carrying out any variations or selections.

NOTE: the symbol  shows which key has to be pushed to obtain the desired function.

Software version 5.15

  ADD 1	  DISP	  POS 1	 AA Floor position
REVERSE DISPLAY Reverses display's reading depending on the mounting position (On the ground or suspended).	 Stby	  off Display OFF	 BB Suspension position
DISPLAY STAND BY To turn off the display (after 5 seconds) or leave it always on.		 on Display always ON	
  mode	  10CH 10 CHANNELS	 Default DMX Mode = 10 CH	
DMX MODE To select DMX mode: 10 DMX channels mode (default), 6 DMX channels mode (Shutter + Dimmer + RGBW), 15 DMX channels mode, WALL mode (6 DMX channels; for use with DTS Wall mounted DMX controller 0514L007), M4CH mode (5 DMX channels; Dimmer + RGBW), RGBW mode (4 channels), 1 DMX channel mode.	 6CH 6 CHANNELS	 6CH	
	 15CH 15 CHANNELS	 15CH	
	 WALL WALL (6 CHANNELS)	 WALL	
	 M4CH M4CH (5 CHANNELS)	 M4CH	Shutter + Dimmer + RGBW
	 RGBW RGBA (4 CHANNELS)	 RGBW	Dimmer + RGBW
	 1CH 1 CHANNEL		
	  CUST	 SEL Custom mode enabled	
CUSTOM DMX MODE NOT YET IMPLEMENTED		 Show Show Custom settings	
		 Set Parameters Setting on Custom Mode	



node



nacr



Std

Standard mode enabled:
(Default).Extended mode enabled:
Rainbow effects on MACRO
channel.

Ext

MACRO

MACRO Function, enable channel
mapping macro rainbow effects
STD (default)



LED



rEd



ni n

Default = 0

**LED**

RGBW Min/Max, Smooth, Compression,
Sync and Boost level values settings

nAh

Default = 255

**RGBW MINIMUM VALUES**

This menu allows to select the
minimum levels for Red, Green,
Blue and White



GrEE



ni n

Default = 0



nAh

Default = 255

**RGBW MAXIMUM VALUES**

This menu allows to select the
maximum levels for Red, Green,
Blue and White



bLUE



ni n

Default = 0



nAh

Default = 255



These settings have priority
on Master Dimmer channel



ANbr



ni n

Default = 0



nAh

Default = 255

**SMOOTH VALUE**

This menu allows to select the
value of the delay (in milliseconds)
for RGBW and Dimmer channels
reaction to DMX or Program
variation.

Off=25 ms delay (Fast response)
20=250 ms delay (Slow response)



Snth



4

Range = Off-20
Default = 4**COMPRESSION**

This menu allows to select between
Linear current output or Quadratic
current output for LEDs
Default = Linear

Off = 25 ms

Instant response to DMX variation

20 = 250 ms

Smooth response to DMX variation

SYNC

This menu allows to adjust the
PWM frequency value (Hz) in order
to reduce flickering in the process
of your camera recordings



CONP



Li nE

Linear = Linear
current output

QUAD

Quadratic =
Linear light
output**BOOST DRIVING**

This menu allows to increase the
LED's current from 350 mA to 500 mA



54nc



610

Range = 610 Hz -10 KHz
Default = 610 Hz

bst



On

Boost mode activated



OFF

Boost mode deactivated



With BOOST active, the LED's
current is set to 500 mA (30%
more gain).
Default = Disabled

  AUTO  SUFE   ChPr  SPEED  00 10 	 CUPr  red  120
AUTOMATIC MODE Automatic demo game without DMX controller	WAIT  00 10
ChPr Chase with 16 steps previously created in REC MODE Speed and Wait time selectable by user	GrEE  255
CUPr RGB values selectable by user	BLUE  104
Rainbow (rAI n) Rainbow colours effect. Speed time selectable by user	ANbr  255
CU01-CU16 Color Macros as on DMX channel 8 (Macro)	rAI n  SPEED  00 10 
WHITE MACROS 16 macros for White color from 2800K to 6500K	CU01   
DIMMER Dimmer level selectable by user as on DMX channel 2 (Dimmer) <u>Dimmer level is active for all the programs and macros</u>	CU02
SHUTTER Shutter level selectable by user as on DMX channel 1 (Shutter) <u>Shutter level is active only for CU01/CU16 and Wh01/Wh16 macros</u>	CU 16
ESC Esc from Automatic Mode Menu	UH01   
	UH02
	UH03
	UH04
	UH05
	UH.....
	UH 16
	di nn   255 
	SHUT   255 
	ESC
  REC  10CH 	r001
REC MODE In DMX Recorder Mode, it is possible to create and store the scenes of the ChPr by using an external DMX controller. The unit must be set to 10 channels MODE	n001
	n002
	n0.....
	n0 16

DMX Recorder Mode

For the programming of ChPr by using a DMX controller, besides the 10 channels necessary to control the unit a further 3 DMX channels are needed.

So that in RECORDER mode (via DMX) the unit will need 13 channels to be correctly programmed.

The three new DMX channels are:

DMX channel 11 = SCENES channel

From 0-10 = no function (r001)

From 11-255 are displayed the programmable scenes (max 16 scenes from M001 to M0016)

DMX channel 12 = EDIT channel:

-From 0-19 = no function

-From 20-234 the unit runs the configuration given by the received input DMX values.

With the channel SCENES it is possible to pass from one step to the next while with REC it is possible to record the selected scene.

-From 235-255 the unit runs the configuration given by the received input DMX values closing the sequence as last scene.

With the channel REC it is possible to record the selected scene as last scene.

DMX channel 13 = RECORDING channel

Records the set scene with a variation between 0 to 255 (the display flashes indicating that the scene has been recorded). It is advised that you keep the REC channel set to 0 and to run through the 255 only once you have decided to save the scene. If ChPr is not closed, by indicating the last scene (Edit channel between 235-255), in playback mode all 16 scenes will be played through even if not programmed



SLAU



SU-E



Up-Down

SLU



ESC

SLAVE MODE

Slave mode for ChPr program.

All slave units will be synchronised with master unit, running their own Chpr program.



Ir



Up-Down

On



OFF

INFRARED MODE

Infrared remote control.

By activating Ir MODE, it will be possible to navigate through the unit functions by using the D.T.S. infrared remote control.

D.T.S. Code :0514L008

NOTE:

External infrared remote sensor needed.

D.T.S. Code :03.LA.016

NOT IMPLEMENTED ON FOS 100



Udnh



Up-Down

SEL



On

WIRELESS DMX Disabled (Default)

OFF

WIRELESS DMX Enabled

WIRELESS DMX

Wireless DMX enabled/disabled.

Wireless DMX receiver kit on FOS 100 is available on request.



UnL



UNLINK = LOG OUT



FAn



Up-Down

12V



OFF

Fan Speed Control
Range: OFF - 24 volt
Default = 12 volt

FAN SPEED CONTROL

Internal Fan Speed control selectable by user.

Range: OFF - 24 volt

Default : 12 volt



ENE-



Up-Down

SEL



Up-Down

On



OFF

Default = OFF

EMERGENCY

Emergency operating mode.

By setting Emergency mode, it will be possible to select one of the 16 preprogrammed WHITE cues that will then run if DMX signal is missing or not available.

Usefull for Emergency EXIT illumination on public areas.

White



Default = White 1

di nn



Default = 255



dfSE



SUrE



DEFAULT

To restore default settings



tENP



0250



TEMPERATURE

Internal Unit temperature
visualisationInternal Unit temperature.
(° Celsius)

LiNE



rEd



LIFE TIME

This menu show the total UNIT life time
and the RGBW life time

GrEE

bLUE

ANbr

Unit



tEST



tEST

NOT YET IMPLEMENTED

TEST MODE

RGBW colours test with rainbow



SOft



v.5.03

SOFTWARE

Software version

10- DMX PROTOCOL

FOS 100 SOLO IP20 WHITE 36

FOS 100 SOLO IP65 WHITE 36

10 CHANNELS MODE (Default)

- 1 SHUTTER**
- 2 DIMMER**
- 3 RED (first 9 LEDs line)**
- 4 GREEN (second 9 LEDs line)**
- 5 BLUE (third 9 LEDs line)**
- 6 WHITE (fourth 9 LEDs line)**
- 7 WHITE PRE-PROGRAMMED (Useful for FOS FC o CT model)**
- 8 CTC (Useful for FOS FC or CT model)**
- 9 COLOURS MACRO (Useful for FOS FC or CT model)**
- 10 FUNCTIONS (Useful for FOS FC or CT model)**

DMX CHANNEL	1	Parameter: SHUTTER
-------------	----------	---------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-9	5				Black-out
10-19	14				Open
20-29	24				Black-out
30-119		Strobe at variable speed from slow to fast (3,27 s - 30 ms)			
120-149		Pulse open at variable speed from slow to fast (42,6 s - 120ms)			
150-179		Pulse close at variable speed from slow to fast (42,6 s - 120ms)			
180-204	192		Random Strobe (Master and RGBW active)		
205-229	218		Random Strobe (Full)		
230-234			Colour effects at variable speed		
235-255	245				Open

DMX CHANNEL	2	Parameter: DIMMER
-------------	----------	--------------------------

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional dimmer

DMX CHANNEL	3	Parameter: RED (first 9 LEDs line)
-------------	----------	---

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	4	Parameter: GREEN (second 9 LEDs line)
-------------	----------	--

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	5	Parameter: BLUE (third 9 LEDs line)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	6	Parameter: WHITE (fourth 9 LEDs line)
-------------	----------	--

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-255					Proportional colour

DMX CHANNEL	7	Parameter: PRE-PROGRAMME WHITE (Useful for FOS FC or CT model)
-------------	----------	---

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-55	23				No Function
56-105	80				Full (Red-Green-Blue-White at Full)
106-155	130				White DTS

IF CHANNEL 10 (FUNCTIONS) = CUSTOM WHITE RECALL (Dmx range value 0 - 79)

156-205	180	Custom White Recall			
206-255	225	White CTC (Channel 8 CTC enabled 256 color temp. Correction Macros: 2800K - 6500K)			

IF CHANNEL 10 (FUNCTIONS) = CUSTOM WHITE CREATE (Dmx range value 80 - 160)

156-205	180	Custom White Create (RGBA levels selectable by DMX)			
206-255	225	White CTC (Channel 8 CTC enabled 256 color temp. Correction Macros: 2800K - 6500K)			

DMX CHANNEL	8	Parameter: CTC (Useful for FOS FC or CT model)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
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IF CHANNEL 7 (White) = WHITE CTC (Dmx range value 206 - 255)

0-255	256 color temp. Correction Macros: 0 = 2800°K / 128 = 4500°K / 255 = 6500°K				
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IF CHANNEL 7 (White) = NO FUNCTION (Dmx range value 0 - 43)

0-255	No Function				
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DMX CHANNEL	9	Parameter: COLOUR MACROS (Useful for FOS FC or CT model)
-------------	---	---

IF:  **node**  **MAC**  **Std**  **PLEASE CHECK PAGE 13**

DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-14					No Function
15-29					Macro 1
30-44					Macro 2
45-59					Macro 3
60-74					Macro 4
75-89					Macro 5
90-104					Macro 6
105-119					Macro 7
120-134					Macro 8
135-149					Macro 9
150-164					Macro 10
165-179					Macro 11
180-194					Macro 12
195-209					Macro 13
210-225					Macro 14
226-239					Macro 15
240-255					Macro 16

DMX CHANNEL	9	Parameter: COLOUR MACROS (Useful for FOS FC or CT model)
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IF:   MENU Up-Down

node

  ENTER Up-Down

MAC

  ENTER Up-Down

EHL

 ENTER

PLEASE CHECK PAGE 13

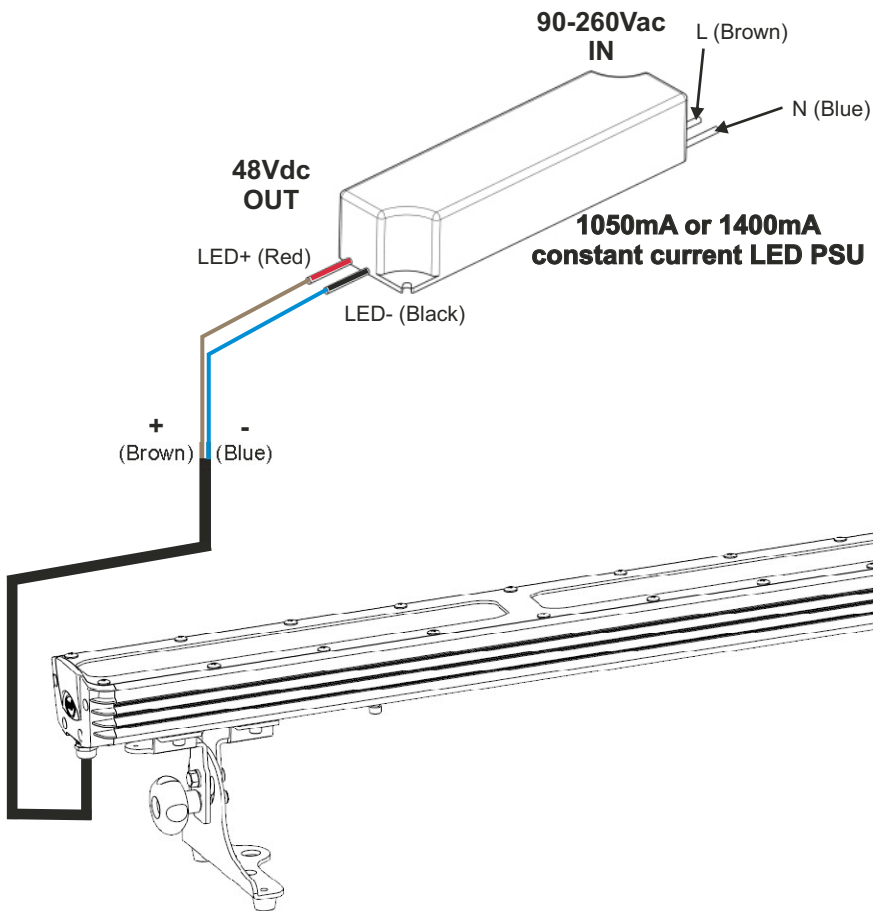
DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-14					No Function
15-22					Macro 1
23-30					Macro 2
31-38					Macro 3
39-46					Macro 4
47-54					Macro 5
55-62					Macro 6
63-70					Macro 7
71-78					Macro 8
79-86					Macro 9
87-94					Macro 10
95-102					Macro 11
103-110					Macro 12
111-118					Macro 13
119-126					Macro 14
127-134					Macro 15
135-142					Macro 16
143-150					Rainbow Speed 1 (1 Sec.)
151-158					Rainbow Speed 2 (5 Sec.)
159-166					Rainbow Speed 3 (10 Sec.)
167-174					Rainbow Speed 4 (20 Sec.)
175-182					Rainbow Speed 5 (30 Sec.)
183-190					Rainbow Speed 6 (60 Sec.)
191-198					Rainbow Speed 7 (120 Sec.)
199-206					Rainbow Speed 8 (180 Sec.)
207-214					Random Speed 1 (0.5 sec.)
215-222					Random Speed 2 (1 Sec.)
223-230					Random Speed 3 (2 Sec.)
231-238					Random Speed 4 (5 Sec.)
239-246					Random Speed 5 (10 Sec.)
247-255					Random Speed 6 (30 Sec.)

DMX CHANNEL	10	Parameter: FUNCTIONS (Recall, Create and Store the Custom white)
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DMX range Value	Mid point DMX value	Move range (degrees)	Mode	Option	Function
0-79					Custom White Recall (Enable CH 7 for Custom white Recall)
80-160					Custom White Create (Enable CH 7 for Custom white Creation)
161-255					Custom White Store (Store the Custom White created)

11- WIRING DIAGRAMS

FOS 100 WHITE 36

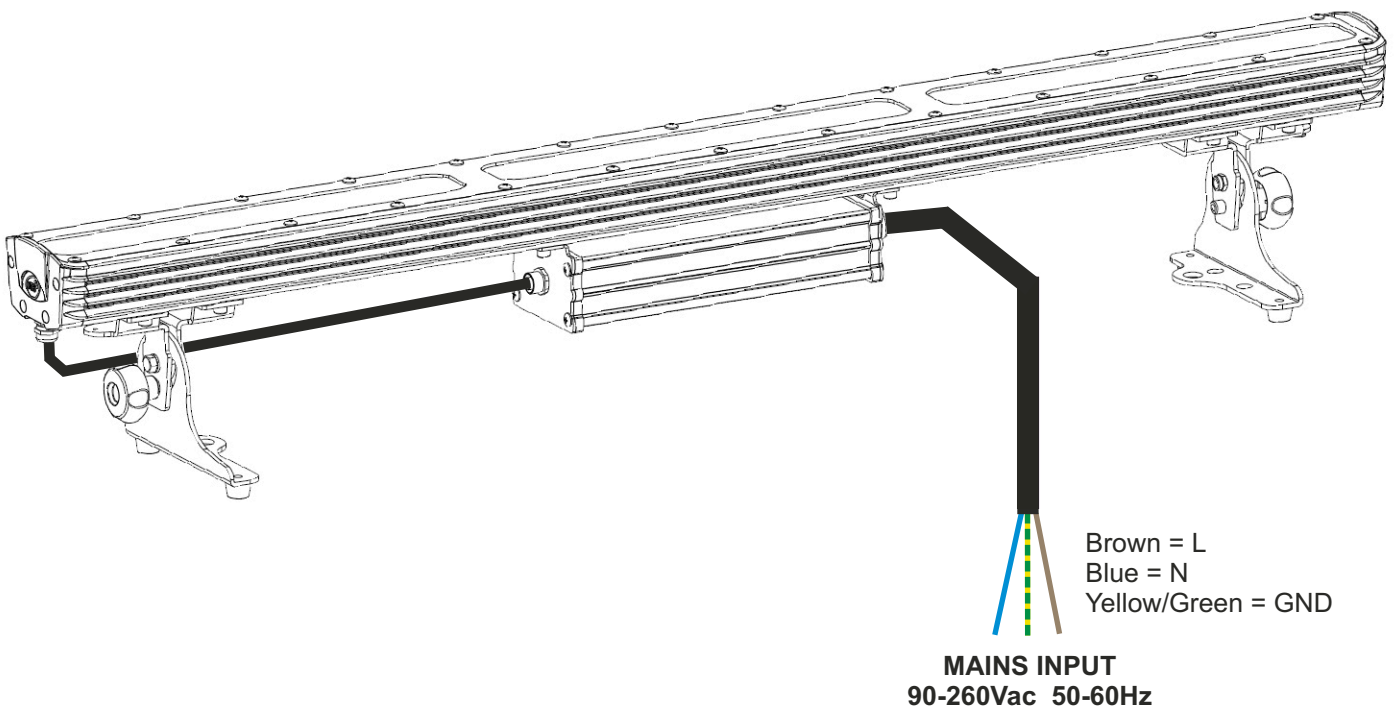


The maximum number of FOS 100 WHITE 36 connectable to a 1050mA or 1400mA Constant current LED PSU is 1 piece.

The maximum distance between the unit and the PSU should not exceed 15 meters.

Never connect or disconnect the unit when the PSU is turned on.

FOS 100 SOLO ON-OFF WHITE 36



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ISO 9001:2008 standard



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